



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/759,296

01/20/2004

Chaucer Chiu

TAIW 204

7181

7590
RABIN & BERDO, P.C.
Suite 500
1101 14 Street, N.W.
Washington, DC 20005

12/07/2007

EXAMINER

CHIN, RICKY

ART UNIT

PAPER NUMBER

4157

MAIL DATE

DELIVERY MODE

12/07/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/759,296	Applicant(s) CHIU ET AL.	
	Examiner Ricky Chin	Art Unit 4157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in-
(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent; or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for the purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English.

2. Claims (1-10) are rejected under 35 U.S.C. 102(e) as being anticipated by
Kaneko et al., US 2003/0086613.

Regarding claim 1, Kaneko discloses an interactive video data generating system, operable to perform link relation on a video data selected by the user so as to enable interactive broadcasting (See [0022]-[0025], the system comprising:

a file document database(See Fig.1, 100), storing video data files used as link relation and corresponding relation data documents(See[0022]);

a selection input module(See [0096], which discloses a GUI), generating an event-triggering signal according to a selection input manipulation from the user to perform selection input manipulation on video data files and display page

frames of a video data selection(See [0096], which states that video data is displayed in to permit input of an instruction from the user) ;

a link display module (See fig.29, 303, which discloses a related information display), providing the user with an interface for displaying tables of the video data files, wherein the link display module receives the event-triggering signal to prompt a video data selection item and broadcasts the display page frames and the corresponding relation data documents(See fig 37 and [0348]-[0349]) ;

a block defining module (See fig 1, which discloses a region extracting portion), performing a block locating process according to a user's selection input on a display page frame of a video data selection(See [0098]-[0099]), and creating a link record in a corresponding relation data document of the video data selection(See [0098]-[0099] and [0145]-[0147]);

and a relation generating module(See Fig 1., which discloses a region of figure approximating), wherein the relation generating module according to a block location information performs a tracking and defining process of similar block locations in following page frames of the video data selection(See [0016]-[0019], and [0099]), and adding definition results in corresponding relation data documents. (See [0135]-[0141])

Regarding claim 2, Kaneko teaches all of the claim limitations of claim 1, wherein the event-triggering signal is created at least by means of a sensitive display device or a pointing positioning device. (See [0314], which specifies using a pointing device.)

Regarding claim 3, Kaneko teaches all of the claim limitations of claim 1, wherein the link display module uses a hierarchal menu to display the tables of the video data files and the link records of the relation data documents (See Fig. 37,1803 and [0348]-[0358]).

Regarding claim 4, Kaneko teaches all of the claim limitations of claim 1, further comprising an interactive video-broadcasting interface (See Fig 38, 1900), wherein the interactive video-broadcasting interface at lest comprises a user manipulating area, a video data relation displaying area, and a video-broadcasting area. (See [0350]-[0352]).

Regarding claim 5, which is a method claim corresponding to the system claim 1. Thus, it is rejected as applied to claim 1 above. Operating the system of claim 1 would inherently necessitate the method steps of claim 5.

Regarding claim 6, Kaneko teaches all of the claim limitations of claim 5, wherein the position information includes coordinate data obtained from an

event-triggering signal created by the manipulation of a sensitive display device or a pointing positioning device. (See [0034], which refers to coordinates.)

Regarding claim 7, Kaneko teaches all of the claim limitations of claim 5, wherein performing a block locating process in the display page frame further comprises: determining optical flow properties of a block location according to the position information of the display page frame(See [0173], which discloses that optical flow can be used); generating a block boundary according to the optical flow properties; performing a block feature extraction(See Fig.11 and [0173]-[0174]); and performing a clustering process(See [0173], which states that clustering of movement of the object is performed), and creating the block location. (See Fig.11 and Fig12.).

Regarding claim 8, Kaneko teaches al of the claim limitations of claim 5, wherein a link record at least includes page frame data, block data, a link data item, as well as a plurality of corresponding modules of the block data and the link data (See [0142]-[0147]); wherein the page frame data is either a page frame number or a page frame range, and the link data is either a file or a section. (See Fig. 5 and [0142]-[0147])

Regarding claim 9, Kaneko teaches all of the claim limitations of claim 5, wherein performing a tracking and defining process on following page frames of

the video data selection further comprising: reading the block location data (See [0099] which discloses specifying a region); tracking the block location in the following page frames (See [0099], which states specifying a region in each of all of the frames and also refers to active contour models); finding the block data and resolving the block location data (See [0099]); and defining the block location according to the previous link record.(See[0099]-[0101], which refers to performing block matching and performing approximation using a result of preceding and following frames).

Regarding claim 10, the method of claim 5, further comprising an interactive video-broadcasting interface having at least a user manipulating area, a video data relation displaying area, and a video-broadcasting area.

Claim 10 is rejected as applied to claim 4.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1 - US 6,496,981 which teaches the developing of interactive media programs from existing media content using automated tools which can reduce the time.

2- US 2002/0112249 which teaches of virtual objects overlapped onto a video frame which can display supplementary information according to similarities.

Contact

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ricky Chin whose telephone number is 571-270-3753. The examiner can normally be reached on M-F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vu Le can be reached on 571-272-7332. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Ricky Chin/
Patent Examiner
AU 4157
(571) 270-3753
Ricky.Chin@uspto.gov

/Vu Le/
Supervisory Patent Examiner, Art Unit 4157
Patent Training Academy